Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	12/22/2021 10:08 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	12/16/2021 09:10 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	32272	Expiration Date:	09/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124165	-1	1.97	124045	1.96
Blue	F	SSC	125000	123329	-2	2.54	123856	2.42
Blue	E	FITC	14284	13660	-5	2.89	382	13.88
Blue	D	PE	23919	23568	-2	2.42	560	11.38
Blue	B	PerCP-Cy5-5	31332	30721	-2	3.44	880	15.45
Blue	A	PE-Cy7	22272	21934	-2	5.38	454	32.27
Red	C	APC	47768	46833	-2	2.67	1606	11.93
Red	A	APC-Cy7	25313	24492	-4	3.02	694	12.62
Violet	B	V450	7085	6674	-6	3.43	464	11.26
Violet	A	V500	26969	25938	-4	3.06	890	8.4

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23587	3.91	589	0	N/A	N/A	Pass
Blue	F	SSC	55134	2.36	525	4	N/A	N/A	Pass
Blue	E	FITC	58	54.24	496	-5	0.0410	56	Pass
Blue	D	PE	110	40.43	494	-3	0.3170	255	Pass
Blue	B	PerCP-Cy5-5	140	43.87	584	-4	0.0188	119	Pass
Blue	A	PE-Cy7	77	85.11	630	-5	0.0203	8	Pass
Red	C	APC	336	27.15	581	1	0.0259	190	Pass
Red	A	APC-Cy7	130	36.37	554	-1	0.0061	1634	Pass
Violet	B	V450	79	46.92	457	-6	0.0611	2484	Pass
Violet	A	V500	105	31.06	469	-5	0.0244	831	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.91	-31.50	1.01
Blue	20.35	16.28 - 24.42	1.29	1.02 - 1.52	0.00	0.00	1.43
Red	14.04	13.60 - 20.40	N/A	N/A	29.72	30.14	1.23

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 10895

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments